## **PATENT COOPERATION TREATY**

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| Applicant's or agent's file reference  | FOR FURTHER   | see Form PCT/ISA/220   |
|--|---|--|
| CWRU-PWO-048   | ACTION  | as well as, where applicable, item 5 below.                    |
| International application No.  | International filing date (day/mont   | h/year) (Earliest) Priority Date (day/month/year)              |
| PCT/US2005/011381  | 01/04/2005  | 01/04/2004   |
| Applicant  |   |  |
| CASE WESTERN RESERVE UNIV  | ERSITY  |  |
| This International Search Report has been according to Article 18. A copy is being tra | n prepared by this International Sea<br>ansmitted to the International Burear | rching Authority and is transmitted to the applicant u.        |
| This International Search Report consists  | of a total of she   | eets.  |
| X It is also accompanied by  | a copy of each prior art document o   | cited in this report.  |
| language in which it was filed, unl  | ess otherwise indicated under this it   |  |
| The international this Authority (Rul  |   | of a translation of the international application furnished to |
| b. With regard to any <b>nucle</b> d   | otide and/or amino acid sequence  | edisclosed in the international application, see Box No. I.    |
| 2. Certain claims were four  | nd unsearchable (See Box II).   |  |
| 3. Unity of invention is lack  | king (see Box III).   |  |
| 4. With regard to the <b>title,</b>  |   |  |
| X the text is approved as su   | bmitted by the applicant.   |  |
| the text has been establish  | hed by this Authority to read as follo  | ws:  |
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| 5. With regard to the <b>abstract</b> ,  |   |  |
| X the text is approved as sul  | •                                       | nis Authority as it appears in Box No. IV. The applicant       |
|  |   | tional search report, submit comments to this Authority.       |
| 6. With regard to the drawings,  |   |  |
| a. the figure of the <b>drawings</b> to be p   | ublished with the abstract is Figure  | No   |
| as suggested by the  |   |  |
|  | Authority, because the applicant fa   |  |
|  | s Authority, because this figure better                                       | er cnaracterizes the invention.                                |
| b none of the figures is to be   | e published with the abstract.  |  |

International Application No
PCT/US2005/011381

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/409 A61P35/00 A61P35/04 A61P43/00

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data, MEDLINE, EMBASE, BIOSIS, CANCERLIT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
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| Further documents are listed in the continuation of box C.   | Patent family members are listed in annex.  |
|--|---|
| Special categories of cited documents:      A¹ document defining the general state of the art which is not considered to be of particular relevance      E¹ earlier document but published on or after the international filing date      C¹ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      C¹ document referring to an oral disclosure, use, exhibition or other means      D¹ document published prior to the international filing date but later than the priority date claimed | <ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul> |
| Date of the actual completion of the international search  26 September 2005   | Date of mailing of the international search report $10/10/2005$   |
| Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,  Fax: (+31–70) 340–3016   | Authorized officer  Taylor, G.M.  |

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